

Purpose and Need
Runoff Control Project at the Roosevelt Lake Resort
USDA Forest Service
Tonto National Forest
Tonto Basin Ranger District
Gila County, Arizona

Date: February, 2020

ID Team Leader: Kelly Jardine

Project Name: Runoff Control Project at the Roosevelt Lake Resort

Ranger District: Tonto Basin

Project type: Resource Protection and Public Safety

Target start date: May 2020

Target finish date: August 2020

Expected NEPA Documentation Type: Categorical Exclusion (DM required)

If Categorical Exclusion, select Category: 32.2 (3) Approve modify continue special uses, less than 5 acres

Project location: The Proposed Project would be located on the East and South sides of the Roosevelt Lake Resort, located in Roosevelt, Arizona. T3N, R13E, N1/2 Section 14, G&SRB&M See project report and map.

Existing Condition

The private properties and residences in the resort, in the vicinity of the proposed project, are within feet of steep slopes and drainages that are Forest Service Lands administered by the Tonto National Forest. Storm runoff from the slopes and drainages on Forest Lands has no consistently sized channel in which to concentrate the runoff and channel the flow around the property and residences.

Purpose and Need

The purpose of this proposed project action is to construct a channel to intercept the storm runoff from the steeply sloped land and drainages, channel the flow around the property and discharge the flow into an existing drainage way to Pinto Creek. The desired condition of the proposed project area would be a permanent, maintainable runoff control channel that would prevent the runoff from high intensity, runoff producing rainfall events from damaging property and resources and compromising public safety. The need is to comply with the Tonto National Forest Land and Resource Management Plan (RMP) management prescriptions for a variety of

renewable and natural resources in RMP Area 6J, including providing for resource protection and public safety.

Proposed Action

The proposed action would include the construction of a runoff control channel within the alignment illustrated on the map. The length of the channel from its inception to the road would be approximately 900 feet. The outboard curve of the channel, where the runoff would be directed from a southerly flow direction to a westerly direction, would be treated in some manner to control erosion. The curve is heavily vegetated at this time and with high flows being infrequent, intensive treatment may not be necessary. The width of the channel and berm is planned to be approximately 15 feet, with some variability as obstacles such as boulders and heavy vegetation are encountered. The width of the disturbance during construction would be approximately 30 feet, varying with obstacles, and including the area required for the placement of the spoil. The depth of the channel would vary between 2 feet and 4 feet from the upgradient end (North) to the downgradient curve of the channel. At the location that the paved road enters the resort property, a runoff water control feature, such as a culvert, would be necessary to prevent damage to the road surface and road base.

Implementation Timeline:

Beginning spring 2020 until completed (budget will dictate)